	Form F					_		PARTMENT OF	ATTY. DOCKET	T NO.				ERIAL		
	OFFICE				7410	•		and the control of th	54				,	9		
		TNE	אמר	·ጥፕ/	ANT I	nte	CT O	SURE			-			0	TAP	П
					-	-	-	CANT	. 17	TATCH	10			3	ī	C
	/***		· 1	-1-			: E _		7.		#7			GENTER	\$20 170	П
	(USE	K IE	1	$\frac{\mathrm{sn}}{\mathrm{sn}}$	eet	<u>S 1</u>	LI D	ecessary)	APPLICANT						2	₹
	\@`		ر د		4				Bowdish et a	al.				600/2	2002	UECEINE
	("	18	Till	בנוט). L	•			FILING DATE					Ar		
	13.			7	} 				December 5,	2001			1645	· · · · · · · · · · · · · · · · · · ·		
	N. S.	M	ADEN	N. C.					S. PATENT DOCUMENT							
	EXAMINE								, i i i i i i i i i i i i i i i i i i i	·		1		FILI	NG D	ATE
	INITIAL	s			CUME		1	DATE	NAME		CLASS	SUB	CLASS	ı	IF	3 mm
MhI	1 A	++	1 6	NL 4	ЛМВ Е 2	3 :	3 4	2/10/87	Moore et al.		530	38	g	APPR	OPRIZ	ATE
Nov	<u> </u>	++	4 8	-	_		9 7	3/28/89	Boss et al.		435	68				
1	-	++	5 1	++			6 4		Capon et al.		936	1 1 7				
j	\neg		5 4	2	8		3 0		Capon et al.		530	35	0			
- }			5 5				3 5		Robinson et al.		435	44	0			
			5 8	7	4	2	5 3	2/23/99	Tsujimoto et al.		435	€9	. 4			
- 1		44	5 8	_	_	_	6 1		Crowe et al.		435	₫9	. 1			
1	-\J-	+	5 9	++			5 8		Sytkowski		-51A					
ı	4	++	5 9 6 0	4			4 6 3 6	8/3/99 3/21/00	Barrett et al.		914 435	74		ļ		
1.			<u>0 0</u>	T-31	<u> </u>	<u>+1 :</u>	<u> </u>		Garrard et al. EIGN PATENT DOCUMEN	TS	433	13				
														_		
					OCUI			DATE	COUNTRY		LASS	SUBC	LASS	TRANS	SLATI	ON
							<u> </u>									_
		-	\sqcup	-	+	₽	H	4	.							
			╫	+	┿	₩	$\vdash +$	 				<u> </u>			-	
			╅╅	+	┿	H	╟┼						+	-		
				土	土	Ħ										
		0							Author, Title, Dat							
P) bu		H		tent				l. "Peptide Agonist Cytokine". June 13,							
,			-			Ko	ivu	nent et,al	. "Selection of Pept	tides B	inding	to t	he 5b	1 Int	egri	<u>n</u>
									orary". September 25		The J.	of 1	Biolo	gical		
		······							o.27, pp. 20205-2021		a				-1-	
									. "Phage Libraries I Ligand Specificities							
	\								March 1995 pp. 265-		D.		1	cagi		•
)								. "Peptide Ligands i		egrin a	vb3	Selec	ted f	rom	
							_		Libraries". January	13,199	5 Bioch	emes	try V	ol.34	, No	•
	EXAMINE	ER .	1—L 1	ڪٽ ص	<u>- + </u>	<u> </u>	۲,	o.3948-395!	DATE CONSIDERED	, 1	1-/					
			4		0	(<i>V</i>	+	·	(0)	18/3	5				
									lered, whether or no							h
									if not in conforma		d not co	nsid	lered	. Inc	lude	
	copy of	thi	s t	orm	Wi	<u>cn</u>	nex	c communic	ation to applicant.							

Form PT COMMERC OFFICE				T A					ARTMENT OF	F	ATTY. DOCKET NO.		- , - '			S	ERIANI 10/062	593	=
9	'ATE	TEM	Eľ	IT I	ВΥ	A	PP	LIC	SURE CANT						:		CENTER 1800/2800	JUL 2 9	r
Mese s	eve	re`	Ž	she	et	s	<u>i:</u>	f n	ecessary)	—							<u></u>	2	_₹
I ME 1			نهٔ	\							APPLICANT Bowdish et al.		_)/290d	2002	
The same		نعد) رغم	, ,							FILING DATE December 5, 2001					GRC 1645	OUP Art	Unit	: :
	DA ^C	<u>En</u>												-					_
EXAMINER INITIALS			I	юст	JM	EN'	r		DATE	l.s.	PATENT DOCUMENT NAME	T	CLASS	; 5	UBCI	LASS		F	
	\dashv		_	NU	_			\dashv				+		4			APPRO	PRIAT	<u>re</u>
1QP	\dashv	5	-	9	_	_	_	-			liams et al.		79		26.1		 		—
	\dashv	6	-	7	_	1		-	1/9/01		afferty et al.		30 30	_	387.		<u> </u>		_
	\dashv	_	<u>9</u> 2	6	_	-1	9	_			afferty et al.		30 35		387. 69.1		 		
	\dashv		_	3		<u>4</u> 5	0	_	6/29/93 11/17/98		ner et al. ner et al.		35 35		69.7		 		—
-	\dashv	_	위	-	$\frac{1}{1}$	6					ner et al.		85		8 ₩. 7		 		
11/4	\dashv	_	쉬	-	=+	3		+ +	5/12/98		rard et al.	_	35	_	69.4			-	_
		٦١.	<u>'1</u>	7	<u>~ 1</u>	ار	_	1 2			PATENT DOCUMENTS	1			V - V -		<u>i</u>		
•									101										
				DO N		ME IBE		r -	DATE		COUNTRY		LASS	su	BCL	\ss	TRANSI	ATIO	N
						Τ	T												
			L		L	l	l			<u> </u>									
		\perp	L		L	\perp	I												
		L	L		Ĺ	<u> </u>												ļ	
					L	┸	⊥		1									<u></u>	
	(HTC	Εŀ								hor, Title, Date, Pe								
DIA (egonition of DNA by								
K M I		\vdash									Chem. Soc., Vol.116, uman autoantibody re							1005	
' .			١								A. Vol 92, pp.2529-2			. 0.	I DN	Α".	march	1993	•
- - 		+	╁								nd efficient site-sp			n, +:	2000	oci.	e witho	+	
1 1											nuary 1985. Proc. Na								
\				pp.		_	_				1703. 1100. Na			•••		0.0.		,	
1, 1		Г								Synth	etic Antibody Gene L	ibra	aries	f	or I	n V	itro Af	fini	ty
"											s in Molecular Biolo								_
				Eng	jir	1 e 6	er	ing	Protcols.	Pp.	329-342.								
EXAMINER	₹					$\overline{}$	`			DA'	re considered	,							
		F) . ~	0	1	ر د .	V	~_	h		(0	11	8/	5	-		_		
EXAMINER										derec	, whether or not cit	ati	on is						1
MPEP 609											not in conformance a on to applicant.		not o	con	side	red	. Inclu	ıde	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

Sci. USA Biochemistry. Vol. 88, pp. 7978-7982.

EXAMINER

	Form COMME					_				PARTMENT OF	ATTY. DOCE	KET NO.					ERIAL N 0/006,	
	OFFIC					711	. ر	110			54						m	
		_															9	\mathcal{I}
										SURE CANT						0	JUL 2	: M
		ب	ını	Lini	114 T	ים	. д	LL.	D1(CHIL						7		
	(Use	_86	eve	ral	sh	ıee	ts	<u>if</u>	n	ecessary)							m &>	CE
	(0 B	£	3								APPLICANT					60		
	/										Bowdish et	t al.				/AAB	200	5
	1	۰ ۵	M	ંમુ	}						FILING DAT	re					UP Art	uhll:
ı	an 1	7 2		Ē	•											16		O
	<u> </u>			9			_				December 5	5, 2001						
	No. 3. II	IAΩ	ENE	<i></i>							.s. PATENT DOCUME	NT						
	EXAMIN												İ				FILING	
	INITIA	LS	ŀ			CUM				DATE	NAME		CLAS	SS	SUBC	LASS	APPROF	
Phi	- //h	╅	+	6 0		UME			٦	12/28/99	Opper et al.		438		69.	7	APPROP	KIAIL
10	- 1M	┪	_		6					11/9/93	Grant et al.		530	-	351			
POL	126			5 5	9	3	6	6		1/14/97	McDonald		424		-85	1		
YV	-1		$oldsymbol{\perp}$				$ldsymbol{ld}}}}}}$										<u>l</u>	
										FOR	EIGN PATENT DOCUM	ENTS						
		Т		Γ-			_		-	- 	1			Т	·	Т	TRANSL	ATTON
		l			D	юст	UMI	ENT	1	DATE	COUNTR	RY	LAS	s s	UBCL	ASS		
		l			1	NUI	MBI	ER				-				L		
		┡		Ļ			_	_	_					4-				
		╀		₩	+	+	+	十	+					+				
		╁		╁	+	┿	+	+	+	-}				╫		 	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		H		H	十	十	十	十	†					T				
				Ħ	十	十	十	十	T					\top				
			0	THE							Author, Title, D							
	316			11							al. " Selection of				s by	Bin	ding	
T _e	1.0	1		H							. J. Mol. Biol. 22 ,al. "Recombinant				inal	o-ah	ain wax	niable.
3	r										994. Eur. J. Bioch					e-cii	ain vai	labie
		T		П							*Properties of a s					con	taining	,
1) In(u						ere	∍nt	1	inker pept:	ides". 1995. Prote	ein Engi	neerin	g V	'ol.8	, No	.7, pp.	725-
ľ	/ U J			H	73			_	_		l. "Human Antibodi		0			1 - 2		
,		ı							_	un 00 00, u.	nology, Vol.57,			nac	oria	1 61	braries	· .
	EXAMIN	VER		<u> </u>	- /	<u>>₹</u> ,		<u>ICI V</u>	<u> </u>	CCS III IIIII	DATE CONSIDERED	1	1					
			R	. (I.U	V	_	7				10/1	2/ /	-				
			1		y- V			#	<u> </u>		<u>L</u>	001	8 1 5		. –			
											lered, whether or							
											if not in confor		na noc	COI	nstae	r ea	. Inciu	ue
		-										-		 -				

Form COMME	RCE P			-	-			RTMENT OF ARK		ATTY. DOCKET	r no.				ERIAL N	593
/IIso	INFO	EME	ENT	BY	AF	PLI	CA				•				CENTER	THOMIN!
	2,44	10	n i	<u> </u>	<u>.S</u>	11 1	iec	essary)		APPLICANT Bowdish et a	1.					
127	W 11		ر ديم	<u> </u>						FILING DATE December 5,	2001		,	GRC 164	B Art	Un
	C. III	ane'	MEN'					ָ ט	.S. PAT	ENT DOCUMENT						
EXAMINE INITIAL			DOC NU	UMI MBI		,		DATE		NAME		CLASS	SUB	CLASS	FILING II APPROP	?
		\pm	\coprod	\pm	1	\pm	L						<u> </u>			<u> </u>
	士士	\pm	\coprod	\pm	1	\pm	L									
	+	+	H	+	+	+	-						 			
								FOR	EIGN PA	TENT DOCUMEN	TS					
					MEN BEF			DATE		COUNTRY		LASS	SUBCI	ASS	TRANSL	ATION
		H	+	╁	+	H	\dashv									
		П		F	$oldsymbol{\perp}$	П	\dashv									·
			工	上	上	Ц	_									
2106	0	THE	Rob	er	t E	:. н	aw	kins et,a	1. " Se	, Title, Dat election of F Biol. 226,	hage A	ntibodi	Pages es by	, Etc , Bin	c.) ding	
101		П	Ale	xaı	nde	r A		Kortt et,	al. "Re	combinant and J. Biochem	ti-sia	lidase			ain var	iable
			Kai dif	ja fe:	Al	fth	an	et,al. "	Propert	ies of a sin	gle-ch	ain ant	ibody	/ con	taining	725-
<i>'</i>		$\mid + \mid$	731 Den	nis	s R	. В	ur	ton et,al	. "Huma	n Antibodies	from	Combina	toria	al Li	braries	" .
EXAMIN	ER	LL	<u>199</u> ტ ქ	4,	Ad	lvan	ce	s in Immu		Vol.57, pp.	191-28	0.		-		
			X (<u>) </u>	()	V =	-				0/1	8/5				
MPEP 6	09; D	raw	liı	ne	th	rou	gh	citation	if not	hether or no in conforma o applicant.	nce and	tion is	in c	onfor	cmance v	vith de
CCPy 0		<u>., .</u>	االمحب			116.		COMMITTEE		- applicant.						

							_			1 100 100 100			T			
	Form PT								ARTMENT OF	ATTY. DOCKET NO.				ERIA 10400		
	COMMERC	E PE	J.T.F	SNT.	AM	י ט	'KAI	JEM	ARK	. 54			'		0,39	⊃
	OFFICE									. 54			1	9		ᆋ
	-		7334	3 M T	~~	DI	001	001	me				1		<u>_</u>	T
	_	INFO											1	ME AND	TAF	
	ä	TAT	EM.	ENT	ВІ	Α.	PPL	102	MAT.				1	HDB B	<u> </u>	
_	10 Break	~	1	۵۱		٠.	: £		cessary)				1	70 8		CM
63	A MOSEUM	Ne.	aı	. 51	iee	LS	11	ne	cessary)	APPLICANT			٠	(TD)	900	
/ W	7	E.)								Bowdish et al.				,00a	2002	
	a Will	ប្ត								Bowarsh et al.			-		92	m
	M. 18	į,								FILING DATE			CBO	A:	rt II	di e I
_	Ma	\mathcal{L}								FIBING DATE			164			
/gA	•	\mathscr{G}								December 5, 2001			1 104.	,		
V	2 = 3 3 OE	<u> </u>						-		December 3, 2001						
	TIME!								11	.S. PATENT DOCUMENT						
	EXAMINER							Т	Ť	. D. IIII dili Doddinii	T	T		FII.	ING I	DATE
	INITIALS			DΩ	CUM	ינגים	r		DATE	NAME	CLAS	STIF	BCLASS	1	IF	
	INTITADO				UMB		•		DALL	111212		, 100.	JC 11.05	1		IATE
•		\dashv	Т	Τ̈́	Ĭ		-	十				_		1		
•		\dashv	╈	╅	1	┪	-+	+				-		1		
		\dashv	╁	+	1	-	-	+			-	 		-		
•		+	┿	╁	Н	\dashv	┿	╅			 	+		_		
		_	╁	╁	\vdash	\dashv	\dashv	+			 			1		
			ل	٠	ш				FOR	DION DAMENIM BOOLDS	<u> </u>			<u> </u>		
									FOR	EIGN PATENT DOCUMENTS						
•			_		-				T				T	TRAN	CT AIR	TON
				r	oct	TMT	'NT/I'		DATE	COUNTRY	T A C	SUBC	1 A C C	IKAN	PINT	TON
				-	NUN				DATE	COUNTRI	LA3.	SUBC	LASS			
					1401	1013	10				1		ŀ			
•			\vdash			т	т-	т-								
			Н	-	+	╅	╁	┿							\dashv	
•			Н	\dashv	+	╁	╈	╁╌				_			_	
			Н	\dashv	+	┰	╁	╁							\dashv	
•			Н	-+		┿	+-	┾							+	
			ييا			<u></u>		<u>_</u>								
	——г	_0	LHI	EK .	DOC	UMI	:NT	5 (inciding	Author, Title, Date, Per	cinent	Page	s, Et	c.)		.
_				11	ene	M	. L	ang	g et,ai. "	Purification of Storage (ranule	Prot	ien-2	3". I	vovei	mber
P	h h l			22	, 13	30	<u>. 1</u>	ne.	0. OL BIO	logical Chemistry. Vol. 2 Isolation of cell surface	3/1, NO	.4/,	pp.30	120-	2013	
Y										display and magnetically						naı
)									hematology". 1997, J. of						06
				-	.73			112	III IMMUIIO	Memocorogy . 1997, U. OL	THRIBITO	rogro	ar ne	LHOUS	s, 21	00
•	+	— <u>; </u>	H					1111	f ot al "	Leucine zipper Dimerized	Bivelo	at ==	d Pic	neci	fic	ec Fr
	-									-synthetic Antibody Phage						
										logical Chemistry, Vol.27						
	/		П							iantibodies: Use of Amphi						
	ŀ									nked Dimeric Fv Fragments						_
										ruary 18,1992, Biochemist						9_
	1				84.						,	,		, 55		
•	EXAMINER		ب		,	$\overline{}$		_		DATE CONSIDERED	1 /		•			
		-	1	/	n 1	۱ ۱	_	\neg	_	16/12	1					
			Ţ	(ŲΙ	J	~	7	-	1011/9	1 7					
•	EXAMINER	: I	ni	ia	1 i	f c	cita	ati	on conside	ered, whether or not cita	tion is	in	confo	rmanc	e wi	th
										if not in conformance an						
										ation to applicant.				_		
•						_		_								

Form COMME OFFIC	RC									RTMENT OF ARK		TTY. DOCKET	NO.				10/0	AL NO 06,59	
					'ION												FOH CENT		֓֞֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟ ֓֞֓֞֓֞֞֞֞֞֞֞֞֞֞
(Use	هر	evi	Fa.	Ļ	shee	ets	i	£ı	<u>1e</u>	cessary)		<u></u>				<u> </u>	₹		
(0)ii	1 14	•	Ü	A							APPLICANT Bowdish et al	1				E	€⁄>	ř
				ก์	اتم						_		•				16	9	=
- { (uŋ-	16	, M	1	<u>5</u>						F	ILING DATE				GR	E	Arge U	ni ;
E.	,,,				S)							ecember 5 ,	2001			164	8	~	四
- 12	٠,		5	V.	-						-	occeniber 5 /	2001				S		
		il d	UE:				_		_	U	.S. PATE	NT DOCUMENT					_		
EXAMINE	- 1			_	юси	MEN	m		l	DATE		NAME		CLASS	CTI	BCLASS		LING IF	DATE
INITIAL	دد				NUM					DAIL		IVANE		CDASS	130	DCLIAS.		PROPR	IATE
				I	I	匚		L	L										
	_	4	+	4	+	\vdash	L	4	╄		_				_		ļ		
	\dashv	┥	+	╁	+	+	-	╁╴	╁	. 	<u> </u>	 			+-		+		
				_				ــــــــــــــــــــــــــــــــــــــ	٠	FOR	EIGN PAT	ENT DOCUMENT	'S				<u> </u>		
	_										•			 ,,					
					DOC	UMI				DATE		COUNTRY		LASS	SUB	CLASS	TRA	NSLAT	TION
					110	LILLI	3IV				Ì					ŀ			
			I		\prod	\Box	I	\Box											
	L.		\bot	L	\sqcup	_	4	_											
	-	_	┿	 	╁┼	+	╁	┥				· • · · · · · · · · · · · · · · · · · ·							
	┢		\dagger	┢	H	十	7	-								$\overline{}$	- ′	_	
	_	(ЭТН	ER	DOC	CUM	ΕŊ	ITS	(Including	Author,	Title, Date	, Per	tinent	Page	es, Et	c.)	\-	
												eering bispe	ecific	antibo	die	s". 19	93,		
Dh s			\vdash							v, Vol.4,		ation of a B	di cnec	ific Ar	tib	odir Pi	. Th	, IIco	Of
) W/\	l											, The J. of							OI.
-	L		1		p.1														
												of a Specifi ol.255, pp.2			g P	rotier	on	the	
			\vdash									Esherichia			ion	and p	rod	actio	n of
ļ			L	<u>a</u>	bi	val	eı	nt	hι	manized a	nrtibody	fragment" E	Bio/Te	chnolog	y V	ol.10	pp.	<u>163-1</u>	
			1									Role of th tif of yeast							
				A	cid	s R	e	sea	ro	ch, Vol.20	, No.14,	pp.3721-372	. GCN4	. June	: 12	, 1772,	1400	rieic	
EXAMIN	ER				,		١		_	1		NSIDERED		1					
			,	Y.	-10	(V		_	-			(01	18/	5				
EXAMIN	ER	: :	Ini	ti.	al i	f	c i	ta	ti.	on conside	ered. wh	ether or not				confo	rmar	ice wi	th
MPEP 6	09	; 1	Ora	W	line	e ti	hr	ou	gh	citation	if not	in conforman							
сору о	f	th:	İs	fo	rm v	vit	<u>h</u>	ne:	<u>xt</u>	communic	ation to	applicant.							

COMM	PTO-						ARTMENT OF LARK	ATTY. DOCKET NO.			SERIAL NO. 10/006,593
OFFI	INF STA	ORMA	ENT	BY	APPI	JIC					HECHOENTER
Our E	JOT Z	<u>erar</u>	SII	eets	5 11	ne	cessary)	APPLICANT Bowdish et al.			1660 1660
19	Base				-			FILING DATE December 5, 2001	-	164	AR UMP
S. A.	CENSO	, ——					U	.S. PATENT DOCUMENT			T
EXAMII INITI				OME OMBE			DATE	NAME	CLASS	SUBCLAS	FILING DATE S IF APPROPRIATE
				\pm		#					
						\pm					
			Ш				FOR	EIGN PATENT DOCUMENTS	1		
		T		OCUM NUME			DATE	COUNTRY	LASS	SUBCLASS	TRANSLATION
		\coprod	\prod	\perp		\perp					
	<u> </u>	\parallel	+	+	+	‡					
POT			Red Dor Lie Dir of	rl E gula main esbe mer the	tory th s in s	los (19) Spac Soli	e et,al. " rotein NTR 94) J. Mol eny-Dekkin ution, wit en". (1995	Author, Title, Date, Per The major Dimerization D C from Enteric Bacteria . Biol. Vol.241, pp.233- g et,al. "Gin Invertase h the Domain for Dimeriz) Biochemistry Vol.34, p	etermina Lie in I 245. of Bacte ation in p.1779-1	nts of the company of the N-Te 786.	he Nitrgen xy-terminal Mu Is a erminal Part
			in Dir Gav Mut	Dim meri vin tase	erza zat: Macl fro	ion Bea	on of the Trap". Ju th et,al.		e 1 ICP4 Vol.68, nd Monof	Ploypep No.6, p unctiona	tide by a 0.3809-3820. 1 Chorismate
EXAMI	7	P-()	\mathcal{P}		1		`	118/	<u> </u>	·
MPEP	609;	Draw	li	ne i	thro	ugh	citation	ered, whether or not cita if not in conformance ar ation to applicant.			

•	Form PTO COMMERCE						EPARTMENT OF	ATTY. DOCKET NO.	-			ERIAI LO/OO		
	OFFICE	FA	1 1714 1	M	,	ıımı	Libra	54			-	,	0,000	
							OSURE				l	TECH CE		=
1	E JCY ST	'ATE	EMEN	r by	Ά	PPL	ICANT	· ·			l	光		
10	ري. (الاحداد عامل	۸	_1 _	.		. e	necessary)						ے	Π
O.	(Use se	<u>ger</u>	al S	пее	LS	11	necessary)	APPLICANT			<u> </u>	200	-	~
	* B. Dr.							Bowdish et al.					80	
(ML,	الم						bowarsh et ar.					æ	
/2	3"	3						FILING DATE			GRO	(E)Ai	ct Din	ii
16.	Do - notes	,									1645		302	m
	مستديث							December 5, 2001			<u> </u>	PS Co	~	1 0 E
	_											8		
							U	.S. PATENT DOCUMENT						
	EXAMINER						,					1	ING D	ATE
	INITIALS			CUM			DATE	NAME	CLASS	SUB	CLASS		IF	
-		┿	, , ,	NUME	ER	<u> </u>	 		 	┼		APPI	ROPRI	ATE
-		+-		╂╾┤	Н	\vdash			 	+-		-		
-		╁	╀	╂╌┤			+		 	+		┼		
-		┿	╂╌╂╌	╂╾┦	\vdash	H			+	╁		1		
•		╁	 -	+	\vdash					-		 		
-				ا			FOR	EIGN PATENT DOCUMENTS				 -		
							1010	DIGN TATEMT DOCUMENTS						
•		П			_	-]	TI			TRAN	SLAT:	ION
		l	1	DOC	ΜЕ	INT	DATE	COUNTRY	LASS	SUBC	LASS			
				NUM	1BE	ER					L			
_														
		_	Щ	$oldsymbol{\perp}$	4	╄-								
-		_			4	4_	.				\longrightarrow		—	
		4	-	\dashv	+	 	<u> </u>		\rightarrow					
		_		\vdash	+	┷		<u> </u>	\rightarrow		\longrightarrow			
-				ب										
-	. 1	01						Author, Title, Date, Pe						
								"Redesigning Enzyme Topo . Vol.279; pp.1958-1961.		Dire	ctea	EAOL	ition	i".
	2h (i l	H						gh Level Escherichia Col		<u> </u>	bae	Produ	otic	
- '}	V-"\							d Antibody Fragment". Fe						
•	1	- 1					.163-167.	a licibouy lingmond . I		,,,	210,		.0200	-
•	- 	7						menis et,al. "Modulating	pharmac	okin	etics	of a	ın an	ıti-
	1 1	- 1						y amine-specific PEGylat						
	- }	L	b	ioac	:ti	vit	y". Internat	ional J. of Pharmaceutic	s (2000)	, Vo	1.198	, pp.	.83-9	5.
	'							tent anti-CD5 ricin A ch						
	- 1							ab' and F(ab')2". Januar	y 1993,	Proc	. Nat	1, A	ad.	
-			So	<u> 21.</u>	US	Α,	Vol.90, pp.4	57-461, Immunology.	·					
	EXAMINER	Œ) M		\/		1	DATE CONSIDERED	1 1	_				
		¥	()	4	-			l 190	1181	(
-	EXAMINED.	Tr	itia	, , ,	f ·	cit:	tion conside	ered, whether or not cit			confo	rmano	:	th.
								if not in conformance a						
								ation to applicant.						

Form COMME OFFIC	RCE F						PARTMENT OF MARK	ATTY. DOCKET NO.			SERIA 10/00	L NO. 16,593	ב
(Use	STA	TEME	ATION ENT E	BY A	ΑPI	PLIC					CENTER	JUL 2	L C L
(On	₹ E	~C)	6					APPLICANT Bowdish et al.			1600/2	9 2002	
<u></u>	ir 10	-W-	G-OFF					FILING DATE December 5, 2001			GROUPA:	rt Un	.
	ेंद्र इत्	ADEN					U	.S. PATENT DOCUMENT					
EXAMINE	ER		DOCU NUM	MEN IBEF			DATE	NAME	CLASS	SUBCL	ASS	ING DE IF ROPRIE	
		\dagger	H	+	F	1.					 		
	77	+		\mp	F	\square							
					I	1.1	FOR	EIGN PATENT DOCUMENTS	I	1			
				CUMI JMBI			DATE	COUNTRY	LASS	SUBCLAS		ISLATI	ON
			П	\Box	\Box	T						土	
		╁┼	+	+	\dashv	-	 					_	
		\Box	\Box	コ	1	\Box							
		ALLER E.				me	/Yngluding	Author, Title, Date, Per	tinont	Baran	Eta \		
na			Fred	leri mbo	ic	J.	de Sauvage	e et, al. "Stimulation of compl ligand". June 1994	negakar	yocytopo	oiesis a		
		1 1	Func	tic	ona	al J	Drachman e AK2, Not T 19, pp.134	t,al. "Thrombopoietin Sig YK2*". May 7,1999, The J 80-13484.	gnal Tra	ansducti ological	ion Requ L Chemi:	uires stry,	
			Huma	n C	[e]	11 L	ine That P	"Establishment and Chara Proliferates Dependently of Try 28,1989, J. of Cellula	on GM_C	SF, IL-3	3, or	_	23-
			Bruc and	e A Is	T	ros	ine Phosph	1. "JAK2 Associates with orylated and Activated for 1993, Cell, Vol.74, pp.2	ollowing	g Stimul			r
EXAMIN	ER	P	06	γ	_	4		DATE CONSIDERED	15	,			-
MPEP 6	09; I	raw	lin	e t	hr	oug	h citation	ered, whether or not cita if not in conformance ar ation to applicant.					h

Form PTO-1 COMMERCE I					ARTMENT OF MARK				SERIAL 10/0	NO. 593
OFFICE						54			Ĩ.	
	ORMATIO								CENTER	JUL 2 9 20
STA	TEMENT	DI	AP	PLL	.ANT					₩
E (Use seve	eral sh	ee	ts i	f n	ecessary)					<u>&</u>
			-		•	APPLICANT Bowdish et al.		•	1500/29	2002
AND Y						Dowardin CC ur.				02
18 m E						FILING DATE	•		ROUET	t Uniț(
ج فر						December 5, 2001		10	645	
- OF ME						December 3, 2001		- , - 		
TEADER					U	.S. PATENT DOCUMENT				
EXAMINER				•		*****			l l	NG DATE
INITIALS			IENT BER		DATE	NAME	CLASS	SUBCLA		IF OPRIATE
	TT			П				1 -	1	
				П						
		_	<u> </u>	44				<u> </u>		
			╁	╂			 			
		_,	Щ.		FORI	EIGN PATENT DOCUMENTS		<u> </u>	<u> </u>	
			JMEN MBER		DATE	COUNTRY	LASS	SUBCLAS		LATION
	+	Т	ТТ	-					-	
		t	11	\dashv						
		Ι	\Box							
	+++	╀	$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$							
		<u></u>	<u> </u>		(T==1::d:==	Author Mitle Pete Per		D	75 - \	
~ ()						Author, Title, Date, Per orimetric Assay for Cellu				al:
ักภ I	App	pli	cat	ion	to Prolife	ration and Cytotoxicity P				
						. Vol.63, pp.5563.				
1						"IL-1 up-regulates the edependent human hemopoiet				
- {						gy, Vol.3, No.6 pp.571-57		IIIIe,	11-1 .	(1331)
	Tos	shi	o K	itam	ura et,al.	"Identification and Anal	lysis of	Human	Erythro	poietir
<i> </i>	Rec	cep	tor	s on	a Factor-	Dependent Cell Line, TF-1				
\					pp.375-3					
						. "Purification of Human s In Enzymology, Vol.109,			red Grow	th
EXAMINER	rac		<u> </u>	(13	os, nechod	DATE CONSIDERED	, <u>pp. 143</u> 1	-113.		
	10	2.6	\nearrow	<u> </u>	7-	lon	3/5			
						ered, whether or not cita				
						if not in conformance an	d not c	onsider	ed. Incl	lude

Form PTO- COMMERCE OFFICE							ARTMENT OF 1ARK	ATTY. DOCKET NO.				10 P	5,593	חכ
ST	FORM	ENT	BY	A	PPI	LIC	ANT					CENTER	JUL 2 9	•
(USE_SeV	erai	. sn	eeı	LS	11	ne	ecessary)	APPLICANT						~
6		1						Bowdish et al.				1800/29	2002	
(10 M 18 M		;						FILING DATE December 5, 2001			GR(164	OUEAr 5	t Uni	Ļ
JEADE!	der,	,					U	.S. PATENT DOCUMENT			!			_
EXAMINER INITIALS		DOC NU	UM MB		r		DATE	NAME	CLAS	s sı	UBCLAS	S	NG DA IF OPRIA	
	\vdash	\sqcup		$\vdash \vdash$	4	4								
	╌┼╌	╂┼	⊣	┢═╋	\dashv	+				+				
	\vdash	╁┼	ᅱ	┌┼	┥	+				\dashv		┼		
		11	一	十	寸	+				十		 		—
							FOR	EIGN PATENT DOCUMENTS				•		
				JMEI MBEI			DATE	COUNTRY	LAS	SUE	BCLASS	TRANS	SLATI	ON
	力	Ŧ	I	Į	T	T								<u> </u>
	+		╀	+	╁	+						<u></u>	+	—
	++	\dashv	┿	╁	╁	+	<u> </u>			1		· · · · · · · · ·	+	—
	╗	\top	十	十	T	十				<u> </u>			+	_
	OTHE	R D	OCT	UME	NT	s	(Including	Author, Title, Date, Per	tinent	Pag	es, Et	c.)	-	
69	<u> </u>	si Ac	mu] ad.	lta . S	ne ci	ous . t	Ca2+/cAMI JSA, Vol.93	c,al. "Single cell Ca2+/c, P fluor escence ratio imag B, pp.4577-4582, Cell Bio	ging". logy.	May	1996,	Proc.		
1 1	1							"Signaling Through the Honnu. Rev. Immunology, Vol				okine		
	1							Hemopoietic Progenitor Co				Hemato	logy	
[]	_	5 ^{ւհ}	E	dit	io	n,	Chapter L	4, pp.L22-L26.						
(Joi	hn	ŗ.	C	arl	son et,al.	"Molecular Tools for Inc	activa	ing	a Yea	st Eng	yme	In
EXAMINER		1 41	<u>vo</u>	<u> </u>	<u>o u</u>	iie.	1988, MUIE	DATE CONSIDERED	1y, vo.	1.0,	110.6	pp.264	17-26	<u>50.</u>
	1) (<u>`</u>	\sim		1_	10/18	15					
EXAMINER:	Init	ial	i	f c	it	at	on conside	ered, whether or not cita	tion i	s in	confo	rmance	wit	h
MPEP 609;	Draw	/ 11	ne	th	iro	ugl	n citation	if not in conformance and	d not	cons	idered	. Inc	lude	
CODY OF EN	TR I	orm.	w.	<u> 1 UN</u>	<u> </u>	ext	Communica	ation to applicant.						

FOREIGN PATENT DOCUMENT NUMBER DOCUMENT	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT APPLICANT Bowdish et al. FILING DATE December 5, 2001 U.S. PATENT DOCUMENT INITIALS NUMBER FOREIGN PATENT DOCUMENTS DOCUMENT FOREIGN PATENT DOCUMENTS DOCUMENT DATE CLASS SUBCLASS TRANSLA	
Bowdish et al. FILING DATE December 5, 2001 U.S. PATENT DOCUMENT EXAMINER INITIALS DOCUMENT NUMBER FOREIGN PATENT DOCUMENTS DOCUMENT FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY LASS SUBCLASS TRANSLA	ER 1600/2900
Bowdish et al. FILING DATE December 5, 2001 U.S. PATENT DOCUMENT INITIALS DOCUMENT NUMBER FOREIGN PATENT DOCUMENTS DOCUMENT DATE DOCUMENT DATE COUNTRY LASS SUBCLASS TRANSLA	90/2 20/2
Bowdish et al. FILING DATE December 5, 2001 U.S. PATENT DOCUMENT EXAMINER INITIALS DOCUMENT NUMBER FOREIGN PATENT DOCUMENTS DOCUMENT DATE DOCUMENT DATE COUNTRY LASS SUBCLASS TRANSLA	-
December 5, 2001 U.S. PATENT DOCUMENT EXAMINER INITIALS DOCUMENT DATE NAME CLASS SUBCLASS IN APPROP	
U.S. PATENT DOCUMENT EXAMINER INITIALS DOCUMENT DATE NAME CLASS SUBCLASS IN APPROP	Unit:
EXAMINER INITIALS DOCUMENT DATE NAME CLASS SUBCLASS IN APPROP	
INITIALS DOCUMENT DATE NAME CLASS SUBCLASS IN APPROP	
FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY LASS SUBCLASS TRANSLA	F
FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY LASS SUBCLASS TRANSLA	
DOCUMENT DATE COUNTRY LASS SUBCLASS	•
	ATION
	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
John J. Trill et,al. "Production of monoclonal antibodies in COS and Colls". (1995), Current Opinion in Biotechnology, Vol.6 pp.553-560.	СНО
Andrew Hiatt et,al. "Production of antibodies in transgenic plants". November 2,1989, Nature, Vol.342, pp76-78.	
L. Stanford Lee et,al. "Prolonged Circulating Lives of Single-Chain For Proteins Conjugation Chemistries and Compounds". (1999) Bioconjugate	7
Chemistry, Vol.10, No.6, pp973-981.	
EXAMINER POPULATION DATE CONSIDERED (D) 18	
EXAMINER: Initial if citation considered, whether or not citation is in conformance of MPEP 609; Draw line through citation if not in conformance and not considered. Include	
copy of this form with next communication to applicant.	